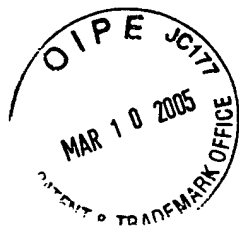


03-14-05

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EXPRESS MAIL NO.: EV380371125US

DATE MAILED: March 10, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Paul R. Hinton, et al.

Appl. No.: 10/687,118

Filed: October 15, 2003

For: **ALTERATION OF FcRn BINDING
AFFINITIES OR SERUM HALF-LIVES
OF ANTIBODIES BY MUTAGENESIS**

Art Unit: 1653

Confirmation No. 2275

Examiner: Not Yet Assigned

Atty. Docket: 05882.0039.NPUS04

Supplemental Information Disclosure Statement

Mail Stop Amendments

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may

not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited by or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

Applicants have checked the appropriate boxes below.

- 1. This Information Disclosure Statement is being filed;
 - ☐ a. Within three months of the U.S. filing date of a national application other than a continued prosecution application under §1.53(d);
 - ☐ b. Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
 - c. Before the mailing date of a first Office Action on the merits;
 - ☐ d. Before the mailing of a first Office Action after filing of a request for continued examination under § 1.115.

No statement under 37 C.F.R. § 1.97(e) or fee is required.

or;

- ☐ 2. This Information Disclosure Statement is being filed after the period specified in paragraph 1(a)-1(d) above, but before the mailing date of a Final Rejection or Notice of Allowance, or action that otherwise closes prosecution in the application, and
 - ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1), or
 - ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent

office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2), or

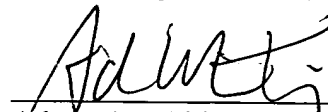
- ☐ c. Attached is our Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but on or before payment of the Issue Fee. Attached is our Check No. _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(i), and
 - ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1), or
 - ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ 4. Relevance of the non-English language document(s) is discussed in the present specification.

- 5. The document(s) was/were cited in a corresponding foreign application. An English language version of the foreign search report is attached for the Examiner's information.
- ☐ 6. A concise explanation of the relevance of the non-English language document(s) appears below:
- 7. The Examiner's attention is directed to co-pending U.S. Patent Application No. 10/822,300, filed April 9, 2004, which is directed to related technical subject matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.
- ☐ 8. Copies of the documents were cited by or submitted to the Office in Application No. _____, filed _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number **05882.0039.NPUS04**.

Respectfully submitted,



Adam K. Whiting (Reg. No. 44,400)

Date: March 10, 2005

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Falls Church, VA 2204201
(650) 463-8133



LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i> PTO FORM 1449	ATTY. DOCKET NO. 05882.0039.NPUS04	APPLICATION NO. 10/687,118
	APPLICANT Paul R. Hinton, et al.	
	FILING DATE 10/15/03	GROUP Not yet assigned

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1.	6,329,511	12/11/2001	Landolfi Nicholas F., et al.			
FOREIGN PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	2.	PCT/US2004/011213 (Search Report)	12/10/2004	PCT			
OTHER REFERENCES <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
	3.	He X-y, et al.; "Humanization and Pharmacokinetics of a Monoclonal Antibody with Specificity for Both E- and P-selectin" The Americal Association of Immunologists; 1998					

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Examiner: Not Yet Assigned

Atty. Docket: 05882.0039.NPUS04

Communication

Mail Stop Amendments
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find enclosed copies of several foreign patent publications. The citation information for each of these publications was listed on form the PTO-1449 submitted on October 28, 2004 as part of an IDS in US application no. 10/698,118 (see copy attached). The actual copies of these references, however, were omitted from the package sent to the USPTO.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number **05882.0039.NPUS04**.


Respectfully submitted,



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U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	1.	5,994,514	08/14/91					
	2.	20010033842A1	08/14/91					
	3.	6,165,745	04/24/92					
	4.	20030044858A1	05/07/92					
	5.	20030003098A1	04/05/95					
	6.	20020098193A1	03/03/97					
	7.	6,277,375	08/21/01					
	8.	6,528,624	03/04/03					
	9.	5,530,101	06/25/96					
	10.	5,834,597	11/10/98					
FOREIGN PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	11.	WO9304173A1	08/14/91	PCT				
	12.	EP1260521A2	08/14/91	Europe				
	13.	WO9631229A1	04/05/95	PCT				
	14.	WO9728267A1	02/02/96	PCT				
	15.	WO9734631A1	03/18/96	PCT				
	16.	WO9805787A1	08/02/96	PCT				
	17.	WO9847531A2	04/21/97	PCT				
	18.	WO0047625A2	02/12/99	PCT				
	19.	WO0158957A2	02/11/00	PCT				
	20.	WO0260919A2	12/12/00	PCT				
	21.	WO9902709A1	07/10/97	PCT				
	22.	WO0042072A2	01/15/99	PCT				

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	23.	WO9734621A1	09/25/97	PCT				
	24.	WO9958572A1	11/18/99	PCT				
	25.	WO9823289A1	06/04/98	PCT				
	26.	WO9951642	10/14/99	PCT				
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)								
	27.	Achatz, et al., "The IgE Antigen Receptor: a Key Regulator for the Production of IgE Antibodies," <i>Int. Arch. Allergy Immunol.</i> 124(1-3): 31-4 (2001)						
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	39.	Chappel, et al., "Identification of a secondary Fc gamma RI binding site within a genetically						

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	engineered human IgG antibody," <i>J Biol Chem</i> 268(33): 25124-31 (1993)
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<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

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	mouse IgG1," <i>J Immunol</i> 158(5): 2211-7 (1997)
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88.	Ward and Ghetie, "The effector functions of immunoglobulins: implications for therapy," <i>Ther. Immunol.</i> 2:77-94 (1995)
89.	Ward <i>et al.</i> , "Evidence to Support the Cellular Mechanism Involved in Serum IgG Homeostasis in Humans," <i>Int'l Immunol.</i> 15(2), 187-195 (2003).
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.